



**Figure S1: Effect of isoguvacine and muscimol on post-receptoral components of the retinal waveforms recorded from anaesthetised rats.** Response across luminous energies are normalised by the a-wave ( $n = 5$  for each drug and injection route). **A.** Average baseline (black) and post-IM isoguvacine (red) rod and cone ERG waveforms. The raw data are shown in Figure 2. The lower panels show the average residuals ( $\pm 95\%$  CI in grey) for the difference of IM isoguvacine to baseline (i.e. drug effect), dashed lines indicate a residual of zero indicating no effect beyond that found for the a-wave. **B.** Normalised IV isoguvacine and baseline, details as per Panel A. **C.** Normalised IM muscimol and baseline, details as per Panel A. **D.** Normalised IV muscimol and baseline, details as per Panel A.